OIML Certificate

OIML Member State
The Netherlands

Number R46/2012-A-NL1-24.09 revision 0
Project number 3802735

Issuing authority	NMi Certin B.V. Person responsible: M.Ph.D. Schmidt
Applicant and Manufacturer	GlobalTronics S.A.E Mr. Hany Karawia Lot 120, CPC Industrial Park, Northern Extension Area, 12573/48, 6 October City, Giza Egypt
Identification of the certified type	An **Active electrical polyphase energy meter** Manufacturers mark: GlobalTronics Type: GE301-SS
Characteristics	See page 2 and further

This OIML Certificate is issued under scheme A.

This Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML Type Evaluation Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

R 46-1/-2 (2012) "Active electrical energy meters."

Accuracy class B

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation identified above. This Certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Type Evaluation Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**
29 July 2024

Certification Board

NMi Certin B.V.
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the Netherlands
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www.nmi.nl

The conformity was established by the results of tests and examinations provided in the associated report(s):

- No. NMi-3802735-01 dated 29 July 2024 that includes 24 pages;

Characteristics of the measuring instrument
In Table 1 the general characteristics of the measuring instrument are presented.
In Table 2 the characteristics of the family of instruments are presented.
The construction of the measuring instrument is recorded in the Documentation folder no. R46-2012-A-NL1-24.09-1.

Table 1 General characteristics

General characteristics	
Meter type	static
Connection mode (phase, wires, elements)	3p, 4w, 3e
Direction of energy flow / registers	Two-registers, bi-directional.
Terminal arrangement	DIN
Protective class	Category 2
Environmental application	
Ambient temperature range	-40 °C to +70 °C (tested up to +75 °C)
Humidity class	H3
IP Rating / environmental use	IP54 / outdoor
Meter quantities	
Nominal voltage (U_{nom})	3x133/230-3x230/400 V
Nominal frequency (f_{nom})	60 Hz
Maximum current (I_{max})	100 A
Transitional current (I_{tr})	1 A (I_b = 10 A)
Minimum current (I_{min})	0,5 A
Starting current (I_{st})	0,04 A
Meter constant	1.000 imp./kWh
Product version	
Hardware version	Main board: GE301-SS_V1.0-07-24 Modem board: BC301-V1.0-07-24
Software identification	Version number: WC208_G2100 2024-06-01 Checksum: 4458D90F

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Production location
The measuring instrument is produced at one of the following production locations:

- Production site (1) GlobalTronics S.A.E
  Lot 120,CPC Industrial Park, Northen extension area
  12573/48, 6 October City, Giza
  Egypt

- Production site (2) GlobalTronics Saudi LLC
  Modon Industrial Park
  Al-Madina Al-Munawwara
  Kingdom of Saudi Arabia

Certificate history:
This revision replaces the previous version.

Revision	Date	Description of the modification
0	29-07-2024	Initially released